

Amendment to the Specification:

Please replace paragraph [0248] with the following amended paragraph:

[0248] In certain embodiments, the target-specific portions of two ligation probes that are intended to hybridize to the same portion of a target nucleic acid sequence may include different nucleotides as long as such differences do not prevent appropriate ligation. For example, in certain embodiments, as long as appropriate ligation is not prevented, two probes that comprise target-specific portions that are designed to hybridize to an identical portion of a target, but have different pivotal complements A and C at their 3' ends, may include variation within the target-specific portion as follows (see lower case nucleotide):

SEQ ID NO:1 5' CATGCCcAATGACGGA-3'

SEQ ID NO:2 5' CATGCCgAATGACGGC-3'

Please replace paragraph [0289] with the following amended paragraph:

[0289] The following Table 1 is referred to throughout the following

Example 1:

TABLE 1

Probe Set For Assay 1

SEQ ID NO:3 ASO1: 5' TGATGCTACTGGATCGCTGAAAGCACATTCCTCG3'
SEQ ID NO:4 ASO2: 5' TTGCCTGCTCGACTTAGAAAGCACATTCCTCA3'
SEQ ID NO:5 LSO: 5' Phosphate-
GTCTTTGTTAAGTCAGGAGCGCAAATCCGTATAGCCAAAGTGGTATCACTGGATAGCGACGT3'

Probe Set For Assay 2

SEQ ID NO:6 ASO1: 5' TGATGCTACTGGATCGCTGCCCATACTGAGAC3'
SEQ ID NO:7 ASO2: 5' TTGCCTGCTCGACTTAGAGCCCATACTGAGAT3'
SEQ ID NO:8 LSO: 5' Phosphate-GCTCCATATTGATTTATTTCCGAGTCGGACAATCCTGCGTTACATCACTGGATAGCGACGT3'

Probe Set For Assay 3

SEQ ID NO:9 AS01: 5' TGATGCTACTGGATCGCTAGCTTTAAAACATTTTGTGTATA3'
SEQ ID NO:10 AS02: 5' TTGCCTGCTCGACTTAGACTTTAAAACATTTTGTGTATG3'
SEQ ID NO:11 LSO: 5' Phosphate-
TAGTTCAGATCTTGTAATAGATTGCCACCTTGGAAGTGGATAGCGACGT3'

DNAs

Three different genomic DNAs were purchased from Coriell Cell Repositories
(Coriell Institute for Medical Research, 403 Haddon Avenue, Camden, NJ 08103):

NA17140

NA17155

NA17202

Universal PCR primer sequences

SEQ ID NO:12 UA1: 5'TGATGCTACTGGATCGCT3'

SEQ ID NO:13 UA2: 5'TTGCCTGCTCGACTTAGA3'

SEQ ID NO:14 UL: 5'ACGTCGCTATCCAGTGAT3'